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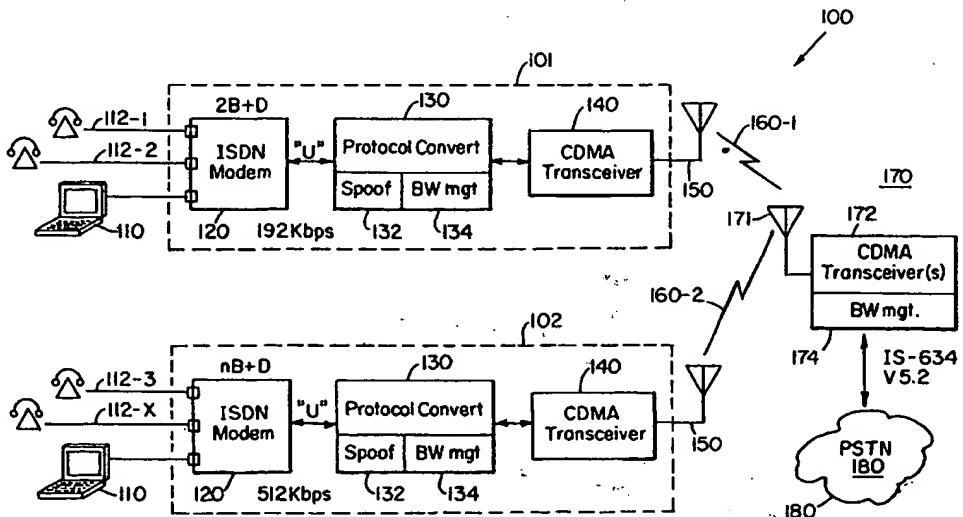
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25 March 1999 (25.03.99)

(54) Title: DYNAMIC BANDWIDTH ALLOCATION TO TRANSMIT A WIRELESS PROTOCOL ACROSS A CODE DIVISION  
MULTIPLE ACCESS (CDMA) RADIO LINK



## (57) Abstract

A technique for transmission of wireless signals across CDMA radio links. Bandwidth is allocated dynamically within a session to specific CDMA subscriber unit based upon data rate determinations. Specifically, a dynamic bandwidth allocation algorithm operates from limits calculated based upon available ports per subscriber, expected user bandwidth, and parallel user bandwidth versus throughout. Provisions for priority service, unbalanced forward and reverse spectrum utilization, voice prioritization, and band switching are also made.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 98/12740

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 6 H04Q7/22

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 6 H04Q H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 682 423 A (AT & T CORP) 15 November 1995 see column 1, line 43 - line 57 see column 5, line 53 - column 8, line 1 see column 9, line 5 - line 11 see figure 5 --- EP 0 719 062 A (AT & T CORP) 26 June 1996 see column 1, line 39 - column 2, line 35 see column 3, line 48 - line 54 see column 4, line 31 - line 53 see column 5, line 10 - line 15 see column 8, line 37 - column 10, line 5 see claims 1-8 --- -/-	1-5,7,8, 10,11
X		1,4,5,7, 8,10,11

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

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Date of the actual completion of the international search	Date of mailing of the international search report
10 December 1998	17/12/1998
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040. Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Authorized officer  CASALS CASTANE, J

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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